



Type 3 23" Equipment Cabinet

Overview:

Eltek Valere is a world leader in the development of telecom power systems that are designed to meet the rapid growth within the field of telecommunication, as well as the increasingly stringent reliability requirements. A key to this reliability in the outside plant is creating a cool, dry and secure environment for the electronics. With durable construction the Type 3 Power Cabinet incorporates tailored thermal systems (fan/filters, air conditioners, and heaters) that will keep even the most sensitive electronics functioning in extreme environments. This cost effective solution has a unique cube design that give flexibility to easily have various heights of cabinets.

Applications

Solution of choice

The Type 3 cabinet is a cost effective platform that is designed for a variety of applications and can be tailored to fit your specific needs. The durable construction is well suited for power equipment, batteries, telecom gear, all integrated into a robust, economical package. The Type 3 cabinet is well suited for areas that require limited equipment installation such as Wireless Sites, Fixed Line Telecom Sites, Cable TV, DSL, and WLAN applications. The cabinet also works well as a stand-alone power for site-power applications or a battery solution for additional growth to existing application. In addition the hardened outdoor enclosure is suited for Industrial environments.

Reliability

Reliability in the outside plant depends upon the creation of a cool, dry and secure environment for the electronics. The Type 3 Cabinet more than accomplishes this with a variety of Thermal Management solutions that will keep sensitive electronics functioning in the most extreme environments.

Product Features

- ∞ Hardened outdoor enclosure
- ∞ 19" adjustable rack for equipment with total height of 29U (1,5m), 35U (1,8m)
Note: If airflow or access space is required above equipment, usable height is 28U (1,5m), 34U (1,8m)
- ∞ Single skin construction
- ∞ DC power and battery backup
- ∞ Non-corrosive galvanized steel construction
- ∞ Bottom cable entry
- ∞ Door mounted thermal management options
 - Fan and Filter (with quick change system)
 - Air Conditioner
- ∞ Insulation for added thermal performance
- ∞ Optional Heater Kit
- ∞ Optional service light
- ∞ UL 50
- ∞ IP55 rated, NEMA 3R

Type 3 23" Equipment Power Cabinet

Additional Technical Specifications

Physical Specifications

| TOTAL HEIGHT | EXTERIOR DIMENSIONS | WEIGHT (empty) | RACK SPACE | NOTES |
|--------------|-----------------------------------|------------------|-----------------|---------------------------------------|
| 1.5 M | 700mm W x 770mm D (27.5" x 30.3") | 94kg (206.8 lbs) | 29U (49") ** | Info does not contain cooling options |
| 1.8 M | 700mm W x 770mm D (27.5" x 30.3") | 100kg (220 lbs) | 35U (61.25") ** | Info does not contain cooling options |

** Note: If airflow or access space is required above equipment, usable height is 28U (1,5m), 34U (1,8m)

Construction Specifications

| PARAMETER | SPECIFICATIONS | NOTES |
|-------------------|--|-------|
| Skin Material | 1.5mm (0.06") thick electro-galvanized steel (corrosion-resistant) | |
| Frame Material | Galvanized Steel | |
| Powder-Coat Paint | Outdoor Polyester Light gray RAL 7035 coating | |
| Insulation | Closed Cell Insulation | |

Door Specifications

| PARAMETER | SPECIFICATIONS | NOTES |
|-------------------------|---|--|
| Latches | Four-point latched, available with an optional lock | |
| Gasket | UL rated for outdoor use | |
| Door Stop / Door Stay | Wind latch to hold door during maintenance (120°) | |
| Fan and Filter Solution | Filter class F5 (EN 779), IP55 rated, adds 53mm (2") to depth | Standard, Pleated, or Gore Membrane filters available Weights range from 35.3 to 43.4kg |
| Air Conditioning Unit | 1kW or 1.7kW at 50Hz & 35C35C, IP55 rated, adds 250mm (9.8") to depth | Weights range from 69.8 to 79.1kg |
| Hybrid Cooling Unit | Active cooling/Free cooling solution | See contact for more information |

Rails Specifications

| PARAMETER | SPECIFICATIONS | NOTES |
|------------------|--|--------------------------------------|
| Construction | Galvanized Steel | |
| Mounting Pattern | EIA Standard with holes for Gage nuts | Optional M5 or M6 kits available |
| Mounting | 19" mount - Available kits 5U, 8U, and 12U | 23" versions available up on request |

Applicable Standards

| PARAMETER | SPECIFICATIONS | NOTES |
|-------------|---|---------------------------------|
| Electrical | IEC 60950, UL 60950*, CAN CSA-C22.2 No. 60950-1-03 | *Depends on Equipment installed |
| EMC | ETSI EN 300 386 V.1.3.1, EN 61000-6-3, EN 61000-6-2 | |
| Environment | ETS 300 019, Ingress Protection: EN 60529 IP55 | |

Miscellaneous Specifications and Options

| PARAMETER | SPECIFICATIONS | NOTES |
|-----------------|--|----------------------------------|
| Cable Entry | Bottom Cable Access through a 2x Multigland MC 25 | Others available upon request |
| Battery trays | Optional 23" tray(s) capable of holding a string of batteries up to 260kg (572 lbs) | Each tray weighs 5.6kg (12.3lbs) |
| Ground Bar | 11 position M6 pressnut | |
| Heater | Optional 400W, can install up to 2 heaters | Each kit weighs 1.3Kg (2.86lbs) |
| Plinth | 1.5m cabinet - 115mm (4.53") or 1.8m cabinet - 150mm (5.9") high plinth (part of cabinet body) | Foot Print 698mm W x 743mm D |
| Lifting Ears | 4 lifting ears located under top cover | |
| Zone 4 | Special Cabinets available to handle Zone 4 Seismic activity | Call for details |
| Shipping Pallet | Shipments made in an upright position on a wood pallet | Weight of packing 14kg |

Specifications are subject to change without notice

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